Title (en)

Apparatus and method for hybrid automatic repeat request signaling in broadband wireless communication system

Title (de)

Vorrichtung und Verfahren zur hybriden automatischen Wiederholungsaufforderungssignalisierung in drahtlosen Breitbandkommunikationssystemen

Title (fr)

Appareil et procédé pour la signalisation de requête de répétition automatique dans un système de communications sans fil en bande passante

Publication

**EP 1953944 A3 20111019 (EN)**

Application

**EP 08250406 A 20080204**

Priority

KR 20070011508 A 20070205

Abstract (en)

[origin: EP1953944A2] An apparatus and method for Hybrid Automatic Repeat reQuest (HARQ) signaling in a broadband wireless communication system are provided. A communication method of a Base Station (BS) includes transmitting a Fixed Allocation (FA) message containing bitmap index information for all Mobile Stations (MSs) allocated with fixed resources; and transmitting bitmap information indicating whether packets to be transmitted to the MSs are Retransmission (Rtx) packets or new packets. Accordingly, when HARQ is carried out using a fixed resource allocation scheme, a bitmap is used to indicate whether HARQ packets transmitted in a current frame are new packets or Rtx packets. Therefore, a receiving end can be prevented from incorrectly decoding the packets.

IPC 8 full level

**H04L 1/16** (2006.01); H04L 1/18 (2006.01)

CPC (source: EP KR US)

**H02K 11/30** (2016.01 - KR); **H04L 1/1896** (2013.01 - EP US); **H05K 5/0226** (2013.01 - KR); **H05K 5/0234** (2013.01 - KR); **H05K 5/03** (2013.01 - KR); H04L 1/1812 (2013.01 - EP US); H04L 2001/0093 (2013.01 - EP US)

Citation (search report)

- [X] US 2003123470 A1 20030703 - KIM NO-SUN [KR], et al
- [X] US 2003210669 A1 20031113 - VAYANOS ALKINOOS HECTOR [US], et al
- [A] WO 2005006640 A1 20050120 - PHILIPS INTELLECTUAL PROPERTY [DE], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 1953944 A2 20080806**; **EP 1953944 A3 20111019**; **EP 1953944 B1 20151118**; KR 100976384 B1 20100818; KR 20080073024 A 20080808; US 2008186886 A1 20080807; US 8223686 B2 20120717

DOCDB simple family (application)

**EP 08250406 A 20080204**; KR 20070011508 A 20070205; US 2594308 A 20080205